



CONSTRUCTION EQUIPMENT

9444 RITCHARD LAND R VOLVO A25G 742348 - DIESEL ENGINE



Sample No: VCP413949
Oil Type: CHEVRON 15W40
Job No: 9444 RITCHARD LAND R



SAMPLE INFORMATION

Sample Number	VCP413949	---	---	---
Sample Date	08 Aug 2023	---	---	---
Machine Hours	3050	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	ABNORMAL	---	---	---

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OIL CONDITION

Visc @ 100°C	cSt	▲ 11.5	---	---	---
Base Number (BN)	mg KOH/g	■ 6.5	---	---	---
Oxidation (PA)	%	■ 59	---	---	---

CONTAMINATION

Soot %	%	■ 0.1	---	---	---
Nitration (PA)	%	■ 57	---	---	---
Sulfation (PA)	%	■ 57	---	---	---
Glycol	%	■ NEG	---	---	---
Fuel	%	▲ 3.7	---	---	---
Silicon	ppm	■ 4	---	---	---
Sodium	ppm	■ 1	---	---	---
Potassium	ppm	■ <1	---	---	---

WEAR METALS

Iron	ppm	■ 3	---	---	---
Copper	ppm	■ <1	---	---	---
Lead	ppm	■ 0	---	---	---
Tin	ppm	■ <1	---	---	---
Aluminum	ppm	■ <1	---	---	---
Chromium	ppm	■ 0	---	---	---
Molybdenum	ppm	■ 91	---	---	---
Nickel	ppm	■ 0	---	---	---
Titanium	ppm	<1	---	---	---
Silver	ppm	■ 0	---	---	---
Manganese	ppm	■ <1	---	---	---
Vanadium	ppm	0	---	---	---

ADDITIVES

Calcium	ppm	■ 1433	---	---	---
Magnesium	ppm	■ 413	---	---	---
Zinc	ppm	■ 1230	---	---	---
Phosphorus	ppm	■ 1018	---	---	---
Barium	ppm	■ 0	---	---	---
Boron	ppm	■ 409	---	---	---

Diagnosis

The oil change at the time of sampling has been noted. We recommend an early resample to monitor this condition. All component wear rates are normal. There is a moderate amount of fuel present in the oil. Tests confirm the presence of fuel in the oil. Sulfur ppm levels are abnormally high. Visc @ 100°C is abnormally low. The BN result indicates that there is suitable alkalinity remaining in the oil. Fuel is present in the oil and is lowering the viscosity. The oil is no longer serviceable due to the presence of contaminants.

Depot: VOLV00150
Unique No: 10603848
Signed: Wes Davis
Report Date: 16 Aug 2023



CONSTRUCTION EQUIPMENT



GRAPHS

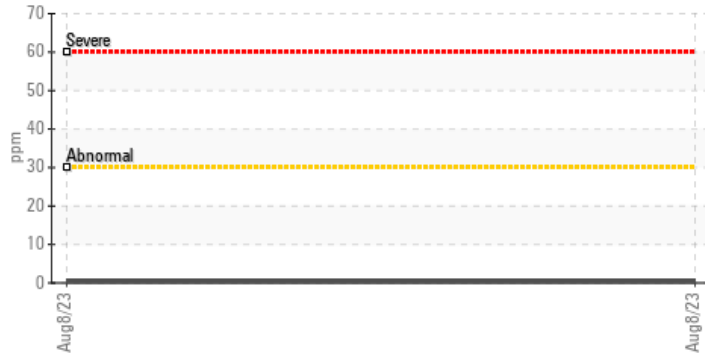
Iron (ppm)



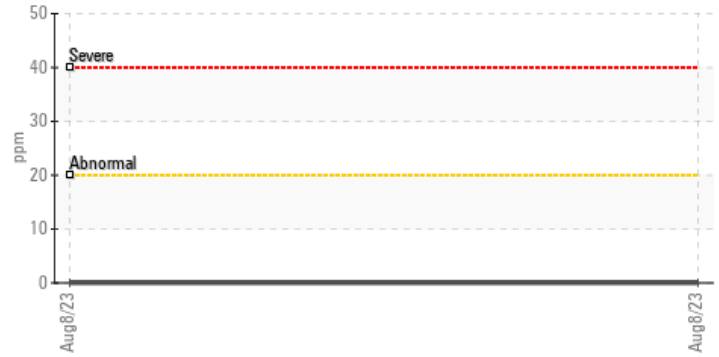
Lead (ppm)



Aluminum (ppm)



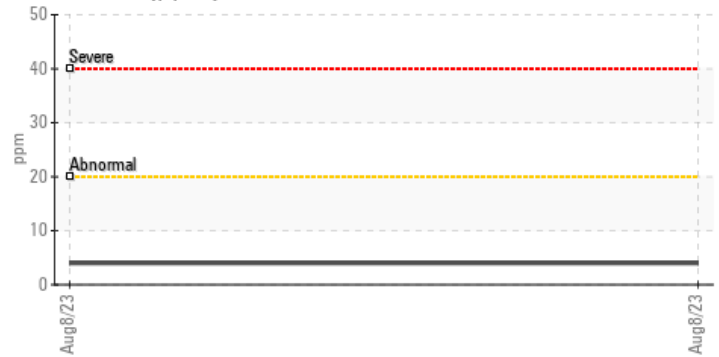
Chromium (ppm)



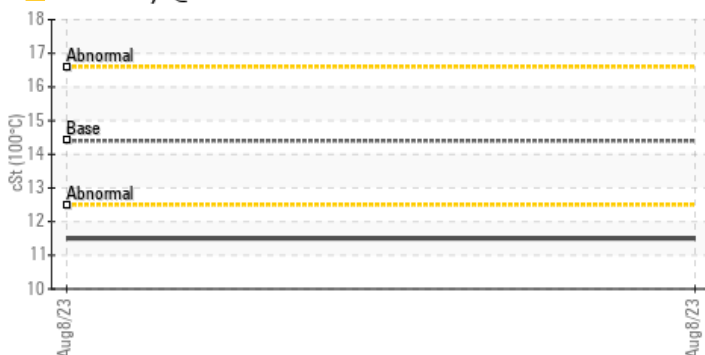
Copper (ppm)



Silicon (ppm)



▲ Viscosity @ 100°C



Base Number

